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Operation Manual

CD RDS RECEIVER

DEH-600BT

Bluetooth®

English

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Declaration of Conformity with regard to the R&TTE Directive 1999/5/EC

Manufacturer:	EU Representative's:
Pioneer Corporation	**Pioneer Europe NV**
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CE

English:
Hereby, Pioneer, declares that this DEH-600BT is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Suomi:
Pioneer vakuuttaa täten että DEH-600BT tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Nederlands:
Hierbij verklaart Pioneer dat het toestel DEH-600BT in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG

Français:
Par la présente Pioneer déclare que l'appareil DEH-600BT est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE

Svenska:
Härmed intygar Pioneer att denna DEH-600BT står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Dansk:
Undertegnede Pioneer erklærer herved, at følgende udstyr DEH-600BT overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF

Deutsch:
Hiermit erklärt Pioneer, dass sich dieses DEH-600BT in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet". (BMWi)

Ελληνικά:
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Pioneer ΔΗΛΩΝΕΙ ΟΤΙ DEH-600BT ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ

Italiano:
Con la presente Pioneer dichiara che questo DEH-600BT è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Español:
Por medio de la presente Pioneer declara que el DEH-600BT cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE

Português:
Pioneer declara que este DEH-600BT está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

Čeština:
Pioneer tímto prohlašuje, že tento DEH-600BT je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES

Eesti:
Käesolevaga kinnitab Pioneer seadme DEH-600BT vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

Magyar:
Alulírott, Pioneer nyilatkozom, hogy a DEH-600BT megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.

Latviešu valoda:
Ar šo Pioneer deklarē, ka DEH-600BT atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.

Lietuvių kalba:
Šiuo Pioneer deklaruoja, kad šis DEH-600BT atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

Malti:
Hawnhekk, Pioneer jiddikjara li dan DEH-600BT jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC

Slovenčina:
Pioneer týmto vyhlasuje, že DEH-600BT spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.

Slovenščina:
Pioneer izjavlja, da je ta DEH-600BT v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.

Română:
Prin prezenta, Pioneer declara ca acest DEH-600BT este in conformitate cu cerintele esentiale si alte prevederi ale Directivei 1999/5/EU.

български:
С настоящето, Pioneer декларира, че този DEH-600BT отговаря на основните изисквания и други съответни постановления на Директива 1999/5/ЕС.

Polski:
Niniejszym Pioneer oświadcza, że DEH-600BT jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC

Norsk:
Pioneer erklærer herved at utstyret DEH-600BT er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

Íslenska:
Hér með lýsir Pioneer yfir því að DEH-600BT er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC

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Thank you for buying this Pioneer product.

Please read through these operating instructions so you will know how to operate your model properly. *After you have finished reading the instructions, keep this manual in a safe place for future reference.*

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If you want to dispose this product, do not mix it with general household waste. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment, recovery and recycling.

Private households in the member states of the EU, in Switzerland and Norway may return their used electronic products free of charge to designated collection facilities or to a retailer (if you purchase a similar new one).
For countries not mentioned above, please contact your local authorities for the correct method of disposal.
By doing so you will ensure that your disposed product undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health.

About this unit

The tuner frequencies on this unit are allocated for use in Western Europe, Asia, the Middle East, Africa and Oceania. Use in other areas may result in poor reception. The RDS (radio data system) function operates only in areas with FM stations broadcasting RDS signals.

CAUTION

- Do not allow this unit to come into contact with liquids. Electrical shock could result. Also, damage to this unit, smoke, and overheating could result from contact with liquids.
- "CLASS 1 LASER PRODUCT"
  This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel.
- The Pioneer CarStereo-Pass is for use only in Germany.
- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough so that you can hear sounds from outside the vehicle.
- Protect this unit from moisture.
- If the battery is disconnected or discharged, the preset memory will be erased and must be reprogrammed.

About WMA

The Windows Media™ logo printed on the box indicates that this unit can play back WMA data.
Windows Media and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

- This unit may not operate correctly depending on the application used to encode WMA files.

About MP3

Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e. revenue-generating) real time broadcasting (terrestrial, satellite, cable and/or any other media), broadcasting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For details, please visit
http://www.mp3licensing.com.

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About Bluetooth

Bluetooth is a short-range wireless radio connectivity technology that is developed as a cable replacement for mobile phones, handheld PCs and other devices. Bluetooth operates in 2.4 GHz frequency range and transmits voice and data at speeds up to 1 megabit per second. Bluetooth was launched by a special interest group (SIG) that comprises of Ericsson Inc., Intel Corp., Nokia Corp., Toshiba and IBM in 1998, and it is currently developed by nearly 2 000 companies worldwide.

- The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Pioneer Corporation is under license. Other trademarks and trade names are those of their respective owners.

Operating environment

This unit should be used within the temperature ranges shown below.
Operating temperature range: -10 °C to +60 °C (14 °F to 140 °F)
EN300328 ETC test temperature: -20 °C and +55 °C (-4 °F and 131 °F)

Visit our website

Visit us at the following site:
http://www.pioneer.co.uk

- Register your product. We will keep the details of your purchase on file to help you refer to this information in the event of an insurance claim such as loss or theft.
- We offer the latest information about Pioneer Corporation on our website.

In case of trouble

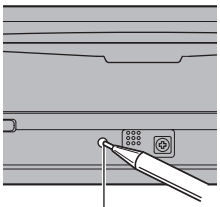
Should this product fail to operate properly, contact your dealer or nearest authorized Pioneer Service Station.

Resetting the microprocessor

The microprocessor must be reset under the following conditions:

- Prior to using this unit for the first time after installation
- If the unit fails to operate properly
- When strange or incorrect messages appear on the display

● **Press RESET with a pen tip or other pointed instrument.**



RESET button

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Protecting your unit from theft

The front panel can be detached to deter theft.

- If the front panel is not detached from the head unit within five seconds of turning off the ignition, a warning tone sounds.
- You can turn off the warning tone. See *Switching the warning tone* on page 41.

Important

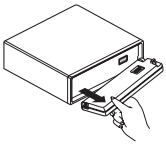
- Handle gently when removing or attaching the front panel.
- Avoid subjecting the front panel to excessive shock.
- Keep the front panel out of direct sunlight and high temperatures.

Removing the front panel

1 Press OPEN to open the front panel.

2 Grip the left side of the front panel and pull it gently outward.

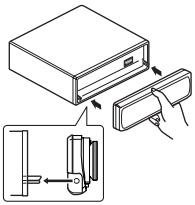
Take care not to grip it too tightly or to drop the front panel and protect it from contact with water or other fluids to prevent permanent damage.



3 Put the front panel into the provided protective case for safe keeping.

Attaching the front panel

- **Reattach the front panel by holding it upright to the unit and clipping it securely into the mounting hooks.**



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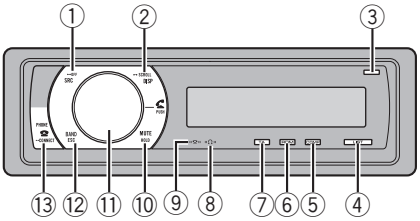

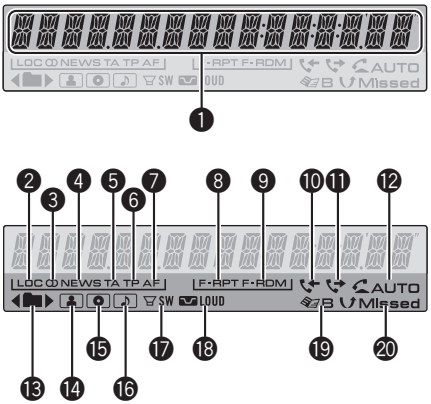

What's What

Head unit

① **SRC/OFF button**
This unit is turned on by selecting a source. Press to cycle through all the available sources.

② **DISP/SCROLL button**
Press to select different displays.

③ **OPEN button**
Press to open the front panel.

④ **LIST button**
Press to display the track title list, folder list, file list, preset channel list or phone number list depending on the source.

⑤ **COMP/BMX button**
Press to turn COMP (compression) and BMX function on or off.

⑥ **RDM button**
Press to turn random function on or off.

⑦ **TA/NEWS button**
Press to turn TA function on or off. Press and hold to turn NEWS function on or off.

⑧ **"" indicator**
Lights up when your Bluetooth audio player is connected via Bluetooth wireless technology.
- While connecting, this indicator flashes.

⑨ **"" indicator**
Lights up when your cellular phone is connected via Bluetooth wireless technology.
- While connecting, this indicator flashes. While phone connection is not completed, this indicator flashes.

⑩ **MUTE/HOLD button**
Press to turn off the sound. To turn on the sound, press again.
While talking on the phone, press to put the call on hold.

⑪ **MULTI-CONTROL**
Move to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions.
Turn to increase or decrease the volume.

⑫ **BAND/ESC button**
Press to select among three FM bands and MW/LW bands.
Press to return to the ordinary display when operating the menu.

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⑬ **PHONE/☎/CONNECT button**
Press to select the phone as the source.
While operating a phone source, press to end a call, reject an incoming call or cancel making a call.
Press and hold to perform Bluetooth connection.

Display indication

❶ **Main display section**
Displays band, frequency, elapsed playback time and other settings.
- Tuner
  Band and frequency are displayed.
- RDS
  Program service name, PTY information and other literal information are displayed.
- Built-in CD Player
  Elapsed playback time and literal information are displayed.

❷ **LOC indicator**
Appears when local seek tuning is on.

❸ **(stereo) indicator**
Appears when the selected frequency is being broadcast in stereo.

❹ **NEWS indicator**
Appears when NEWS (news program interruption) function is on.

❺ **TA indicator**
Appears when TA (traffic announcement standby) function is on.

❻ **TP indicator**
Appears when a TP station is tuned in.

❼ **AF indicator**
Appears when AF (alternative frequencies search) function is on.

❽ **F-RPT indicator**
Appears when folder repeat is on.
When repeat function is on, only **RPT** is displayed.

❾ **F-RDM indicator**
Appears when folder random is on.
When random function is on, only **RDM** is displayed.

❿ **(received call) indicator**
Appears when received call list is displayed while telephone source is being selected.

⓫ **(dialled call) indicator**
Appears when dialled call list is displayed while telephone source is being selected.

⓬ **AUTO (auto answer) indicator**
Shows when the automatic answering function is on (for more details, refer to *Setting automatic answering* on page 33).

⓭ **(folder) indicator**
Appears when operating list function.
When an upper tier of folder or file exists, ◄ appears.
When a lower tier of folder or file exists, ► appears.

⓮ **(artist) indicator**
Appears when the disc (track) artist name is displayed on the main display section.

⓯ **(disc) indicator**
Appears when the disc (album) name is displayed on the main display section.

⓰ **(song) indicator**
Appears when the track (song) name is displayed on the main display section.

⓱ **SW (subwoofer) indicator**
Appears when subwoofer is on.

⓲ **(loudness) indicator**
Appears when loudness is on.

⓳ **B (phone book) indicator**
Appears when phone book list is displayed while telephone source is being selected.

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⓴ **Missed (missed call) indicator**
Appears when there are missed call log. Appears when missed call list is displayed while telephone source is being selected.

Basic Operations

Power ON/OFF

Turning the unit on

- **Press SRC to turn the unit on.**

Turning the unit off

- **Press OFF and hold until the unit turns off.**

Selecting a source

You can select a source you want to listen to. To switch to the built-in CD player, load a disc in the unit (refer to page 16).

- **Press SRC repeatedly to switch between the following sources.**
Tuner—Built-in CD player—AUX—BT Audio—BT Telephone

Notes

- In the following cases, the sound source will not change.
  - — When AUX (auxiliary input) is set to off (refer to page 41).
  - — When the BT audio source is set to off (refer to *Activating the* **BT AUDIO** *source* on page 42).
- AUX is set to on by default. Turn off the AUX when not in use (refer to *Switching the auxiliary setting* on page 41).
- Charging the portable audio player using car's DC power source while connecting it to AUX input may generate noise. In this case, stop charging.
- When this unit's blue/white lead is connected to the vehicle's auto-antenna relay control terminal, the vehicle's antenna extends when this unit's source is turned on. To retract the antenna, turn the source off.

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Adjusting the volume

● **Turn MULTI-CONTROL to adjust the sound level.**

Tuner

Basic Operations

● **Select a band**

Press **BAND/ESC**.

▪ Band can be selected from among **FM1**, **FM2**, **FM3** or **MW/LW**.

● **Manual tuning (step by step)**

Push **MULTI-CONTROL** left or right.

● **Seek tuning**

Push and hold **MULTI-CONTROL** left or right, and then release.

▪ You can cancel seek tuning by pushing **MULTI-CONTROL** left or right.

▪ While pushing and holding **MULTI-CONTROL** left or right, you can skip stations. Seek tuning starts as soon as you release **MULTI-CONTROL**.

Notes

- This unit's AF (alternative frequencies search) function can be turned on and off. AF should be off for normal tuning operation (refer to page 13).
- RDS service may not be provided by all stations.
- RDS functions such as AF and TA are only active when your radio is tuned to an RDS station.

Storing and recalling broadcast frequencies

You can easily store up to six broadcast frequencies for later recall.

- Six stations for each band can be stored in memory.

1 Press LIST.

Preset screen is displayed.

2 Use MULTI-CONTROL to store the selected frequency in memory.

Turn to change the preset number. Press and hold to store.

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3 Use MULTI-CONTROL to select the desired station.

Turn to change the station. Press to select.

- You can also change the station by pushing **MULTI-CONTROL** up or down.
- To return to the ordinary display, press **BAND/ESC** or **LIST**.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

Receiving PTY alarm broadcasts

When the emergency PTY code broadcasts, the unit receives it automatically (**ALARM** appears). When the broadcasting ends, the system returns to the previous source.

- An emergency announcement can be canceled by pressing **TA**.

Switching the RDS display

When you tune in an RDS station its program service name is displayed. Switch the display to find out the frequency.

● **Press DISP.**

Press **DISP** repeatedly to switch between the following settings:

Program service name—PTY information—Frequency

PTY (program type ID code) information is listed on page 15.

- PTY information and the frequency of the current station appears on the display for eight seconds.

Introduction to advanced operations

1 Press MULTI-CONTROL to display the main menu.

2 Use MULTI-CONTROL to select FUNCTION.

Turn to change the menu option. Press to select.

The function menu is displayed.

3 Turn MULTI-CONTROL to select the function.

BSM (best stations memory)—**REGIONAL** (regional)—**LOCAL** (local seek tuning)—**PTY** (program type selection)—**TRAFFIC** (traffic announcement standby)—**AF** (alternative frequencies search)—**NEWS** (news program interruption)

Notes

- To return to the ordinary display, press **BAND/ESC**.
- If MW/LW band is selected, you can only select **BSM** or **LOCAL**.

Storing the strongest broadcast frequencies

BSM (best stations memory) lets you automatically store the six strongest broadcast frequencies.

1 Display the function menu.

Refer to *Introduction to advanced operations* on this page.

2 Use MULTI-CONTROL to select BSM in the function menu.

3 Press MULTI-CONTROL to turn BSM on.

The six strongest broadcast frequencies are stored in the order of their signal strength.

- To cancel, press **MULTI-CONTROL** again.

Tuning in strong signals

Local seek tuning lets you tune in only those radio stations with sufficiently strong signals for good reception.

1 Display the function menu.

Refer to *Introduction to advanced operations* on this page.

2 Use MULTI-CONTROL to select LOCAL in the function menu.

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3 Press MULTI-CONTROL to turn local seek tuning on.

- To turn local seek tuning off, press **MULTI-CONTROL** again.

4 Push MULTI-CONTROL left or right to set the sensitivity.

FM: **LEVEL 1**—**LEVEL 2**—**LEVEL 3**—**LEVEL 4**
MW/LW: **LEVEL 1**—**LEVEL 2**
The **LEVEL 4** setting allows reception of only the strongest stations, while lower settings let you receive progressively weaker stations.

Selecting alternative frequencies

When the tuner cannot get a good reception, the unit automatically searches for a different station in the same network.

1 Display the function menu.

Refer to *Introduction to advanced operations* on the previous page.

2 Use MULTI-CONTROL to select AF in the function menu.

3 Press MULTI-CONTROL to turn AF on.

- To turn off, press **MULTI-CONTROL** again.

Notes

- Only RDS stations are tuned in during seek tuning or BSM when AF is on.
- When you recall a preset station, the tuner may update the preset station with a new frequency from the station's AF list. No preset number appears on the display if the RDS data for the station received differs from that of the originally stored station.
- During AF search, sound may be temporarily interrupted.
- AF can be turned on or off independently for each FM band.

Using PI Seek

If the tuner cannot find a suitable station, or reception status becomes bad, the unit automatically searches for a different station with the same programming. During the search, **PI SEEK** is displayed and the output is muted.

Using Auto PI Seek for preset stations

When preset stations cannot be recalled, the unit can be set to perform PI Seek during preset recall.

- The default setting for Auto PI Seek is off. See *Switching Auto PI Seek* on page 41.

Limiting stations to regional programming

When AF is used, the regional function limits the selection of stations broadcasting regional programs.

1 Display the function menu.

Refer to *Introduction to advanced operations* on the previous page.

2 Use MULTI-CONTROL to select REGIONAL in the function menu.

3 Press MULTI-CONTROL to turn the regional function on.

- To turn off, press **MULTI-CONTROL** again.

Notes

- Regional programming and regional networks are organized differently depending on the country (i.e., they may change according to the hour, state or broadcast area).
- The preset number may disappear from the display if the tuner tunes in a regional station which differs from the originally set station.
- The regional function can be turned on or off independently for each FM band.

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Receiving traffic announcements

TA (traffic announcement standby) lets you receive traffic announcements automatically, no matter what source you are listening to. TA can be activated for both a TP station (a station that broadcasts traffic information) or an enhanced other network's TP station (a station carrying information which cross-references TP stations).

1 Tune in a TP or enhanced other network's TP station.
TP indicator lights.

2 Press TA to turn traffic announcement standby on.
- To turn off, press **TA** again.

3 Use MULTI-CONTROL to adjust the TA volume when a traffic announcement begins.
The newly set volume is stored in memory and recalled for subsequent traffic announcements.

4 Press TA while a traffic announcement is being received to cancel the announcement.
The tuner returns to the original source but remains in the standby mode until **TA** is pressed again.

Notes

- You can also turn this function on or off in the menu that appears by using **MULTI-CONTROL**.
- The system switches back to the original source following traffic announcement reception.
- Only TP and enhanced other network's TP stations are tuned in during seek tuning or BSM when TA is on.

Using PTY functions

You can tune in a station by using PTY (program type) information.

Searching for an RDS station by PTY information

You can search for general types of broadcasting programs, such as those listed on the next page.

1 Display the function menu.
Refer to *Introduction to advanced operations* on page 12.

2 Use MULTI-CONTROL to select PTY in the function menu.

3 Push MULTI-CONTROL left or right to select a program type.
NEWS/INFO—POPULAR—CLASSICS—OTHERS

4 Press MULTI-CONTROL to begin the search.
The unit searches for a station broadcasting that program type. When a station is found, its program service name is displayed.
PTY (program type ID code) information is listed on the next page.
- To cancel the search, press **MULTI-CONTROL** again.
- The program of some stations may differ from that indicated by the transmitted PTY.
- If no station is broadcasting the type of program you searched for, **NOT FOUND** is displayed for about two seconds and then the tuner returns to the original station.

Using news program interruption

When a news program is broadcast from a PTY code news station, the unit automatically switches to the news broadcast station. When the news program ends, reception of the previous program resumes.

● **Press NEWS and hold to turn on news program interruption.**
Press **NEWS** until **NEWS ON** appears in the display.
- To turn off news program interruption, press **NEWS** and hold until **OFF** appears in the display.

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■ A news program can be canceled by pressing **NEWS**.

Note

You can also turn on or off news programs in the menu that appears by using **MULTI-CONTROL**.

PTY list

General	Specific	Type of program
NEWS/INFO	**NEWS**	News
	AFFAIRS	Current affairs
	INFO	General information and advice
	SPORT	Sports
	WEATHER	Weather reports/meteorological information
	FINANCE	Stock market reports, commerce, trading, etc.
POPULAR	**POP MUS**	Popular music
	ROCK MUS	Contemporary modern music
	EASY MUS	Easy listening music
	OTH MUS	Non-categorized music
	JAZZ	Jazz
	COUNTRY	Country music
	NAT MUS	National music
	OLDIES	Oldies, golden oldies
	FOLK MUS	Folk music
CLASSICS	**L. CLASS**	Light classical music
	CLASSIC	Classical music
OTHERS	**EDUCATE**	Educational programs
	DRAMA	Radio plays and serials
	CULTURE	National or regional culture
	SCIENCE	Nature, science and technology
	VARIED	Light entertainment
	CHILDREN	Children's
	SOCIAL	Social affairs
	RELIGION	Religious affairs or services
	PHONE IN	Phone in
	TOURING	Travel programs; not for traffic announcements
	LEISURE	Hobbies and recreational activities
	DOCUMENT	Documentaries

■

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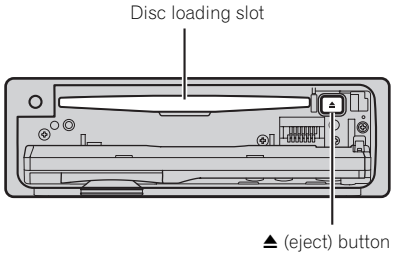
Built-in CD Player

Basic Operations

● **Open the front panel**
Press **OPEN** .
Disc loading slot appears.



■ **When loading a disc, face the label side of a disc up.**
■ To avoid a malfunction, make sure that no metal objects come into contact with the terminals when the front panel is open.

● **Eject a disc**
Press ▲ (eject).

● **Select a folder**
Push **MULTI-CONTROL** up or down.
■ You cannot select a folder that does not have a compressed audio file recorded in it.

● **Select a track**
Push **MULTI-CONTROL** left or right.

● **Fast forward or reverse**
Push and hold **MULTI-CONTROL** left or right.
■ When playing compressed audio, there is no sound on fast forward or reverse.

● **Return to root folder**
Press and hold **BAND/ESC**.
■ If folder 01 (ROOT) contains no files, playback commences with folder 02.

● **Switch between compressed audio and CD-DA**
Press **BAND/ESC**.
■ This operation is available only when playing CD-EXTRA or MIXED-MODE CDs.
■ If you have switched between compressed audio and CD-DA, playback starts at the first track on the disc.

Notes

- The built-in CD player can play back audio CD and compressed audio recorded on a CD-ROM. (Refer to page 48 for files that can be played back.)
- Read the precautions for discs and player on page 46.
- A disc has already been inserted, press **SRC** to select the built-in CD player.
- There is sometimes a delay between starting up disc playback and the sound being issued. When being read, **FORMAT READ** is displayed.
- If an error message is displayed, refer to *Error messages* on page 46.
- Playback is carried out in order of file number. Folders are skipped if they contain no files. (If folder 01 (ROOT) contains no files, playback commences with folder 02.)

Displaying text information on disc

● **Press DISP to select the desired text information.**
For title entered CD
Play time—disc title
For CD TEXT discs
Play time—disc title—disc artist name—track title—track artist name
For WMA/MP3
Play time—folder name—file name—track title—artist name—album title—comment—bit rate
For WAV
Play time—folder name—file name—sampling frequency

Notes

- You can scroll to the left of the title by pressing and holding **DISP**.

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- Audio CD that contains certain information such as text and/or number is CD TEXT.
- If specific information is not recorded on a disc, title or name is not displayed.
- Depending on the version of iTunes® used to write MP3 files onto a disc, comment information may not be correctly displayed.
  — iTunes is a trademark of Apple Inc., registered in the U.S. and other countries.
- Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed.
- When playing back VBR (variable bit rate)-recorded WMA files, the average bit rate value is displayed.
- When playing back VBR (variable bit rate)-recorded MP3 files, **VBR** is displayed instead of bit rate value.
- The sampling frequency shown in the display may be abbreviated.
- When Ever Scroll is set to ON at the initial setting, text information scrolls continuously in the display. Refer to *Switching the ever scroll* on page 42.

Selecting tracks from the track title list

Track title list lets you see the list of track titles on a CD TEXT disc and select one of them to play back.

1 Press LIST to switch to the track title list mode.

2 Use MULTI-CONTROL to select the desired track title.

Turn to change the track title. Press to play.

- You can also change the track title by pushing **MULTI-CONTROL** up or down.
- You can also play the track by pushing **MULTI-CONTROL** right.
- To return to the ordinary display, press **BAND/ESC** or **LIST**.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

Selecting files from the file name list

File name list lets you see the list of file names (or folder names) and select one of them to playback.

1 Press LIST to switch to the file name list mode.

Names of files and folders appear in the display.

2 Use MULTI-CONTROL to select the desired file name (or folder name).

Turn to change the name of file or folder.

— when a file is selected, press to play.
— when a folder is selected, press to see a list of files (or folders) in the seleted folder.
— when a folder is selected, press and hold to play a song in the selected folder.

- You can also play the file by pushing **MULTI-CONTROL** right.
- You can also play a song in the selected folder by pushing and holding **MULTI-CONTROL** right.
- To return to the previous list (the folder one level higher), push **MULTI-CONTROL** left.
- To return to the ordinary display, press **BAND/ESC** or **LIST**.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

Introduction to advanced operations

1 Press MULTI-CONTROL to display the main menu.

2 Use MULTI-CONTROL to select FUNCTION.

Turn to change the menu option. Press to select.

The function menu is displayed.

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3 Turn MULTI-CONTROL to select the function.
REPEAT (repeat play)—**RANDOM** (random play)—**SCAN** (scan play)—**PAUSE** (pause)—**COMP/BMX** (compression and BMX)—**TITLE INPUT** (disc title input)

Notes

- To return to the ordinary display, press **BAND/ESC**.
- If you do not operate functions except for **TITLE INPUT** within about 30 seconds, the display automatically returns to the ordinary display.
- When playing a compressed audio disc or CD TEXT disc, you cannot switch to disc title input display.

Selecting a repeat play range

1 Display the function menu.
Refer to *Introduction to advanced operations* on the previous page.

2 Use MULTI-CONTROL to select REPEAT in the function menu.

3 Press MULTI-CONTROL to select the desired setting.

- **DISC** – Repeat all tracks
- **TRACK** – Repeat the current track
- **FOLDER** – Repeat the current folder

▪ If you select another folder during repeat play, the repeat play range changes to disc repeat.
▪ Performing track search or fast forward/reverse during **TRACK** (track repeat) changes the repeat play range to disc/folder.
▪ When **FOLDER** (folder repeat) is selected, it is not possible to play back a subfolder of that folder.

Playing tracks in random order

Tracks in a selected repeat range are played in random order.

● **Press RDM to turn random play on.**
Tracks play in a random order.
▪ To turn random play off, press **RDM** again.

Note

You can also turn this function on or off in the menu that appears by using **MULTI-CONTROL**.

Scanning folders and tracks

Scan play searches the song within the selected repeat range.

1 Display the function menu.
Refer to *Introduction to advanced operations* on the previous page.

2 Use MULTI-CONTROL to select SCAN in the function menu.

3 Press MULTI-CONTROL to turn scan play on.
The first 10 seconds of each track is played.

4 When you find the desired track press MULTI-CONTROL to turn scan play off.
▪ If the display has automatically returned to the playback display, select **SCAN** again by using **MULTI-CONTROL**.
▪ After scanning of a disc (folder) is finished, normal playback of the tracks begins.

Pausing playback

1 Display the function menu.
Refer to *Introduction to advanced operations* on the previous page.

2 Use MULTI-CONTROL to select PAUSE in the function menu.

3 Press MULTI-CONTROL to turn pause on.
Playback of the current track pauses.
▪ To turn pause off, press **MULTI-CONTROL** again.

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Using compression and BMX

Using the COMP (compression) and BMX functions let you adjust the sound playback quality of this unit.

- **Press COMP/BMX repeatedly to select the desired setting.**
  COMP/BMX OFF—COMP 1—COMP 2—COMP/BMX OFF—BMX 1—BMX 2

Note

You can also perform this operation in the menu that appears by using **MULTI-CONTROL**.

Using disc title functions

You can input CD titles and display the title. The next time you insert a CD for which you have entered a title, the title of that CD is displayed.

Entering disc titles

Use the disc title input feature to store up to 48 CD titles in the unit. Each title can be up to 10 characters long.

1 Display the function menu.
Refer to *Introduction to advanced operations* on page 17.

2 Play the CD that you want to enter a title for.

3 Use MULTI-CONTROL to select TITLE INPUT in the function menu.

4 Press MULTI-CONTROL to display the title input mode.

5 Press DISP to select the desired character type.
Press **DISP** repeatedly to switch between the following character types:
Alphabet—Numbers and symbols

6 Push MULTI-CONTROL up or down to select a letter of the alphabet.

7 Push MULTI-CONTROL left or right to move the cursor to the previous or next character position.

8 Move the cursor to the last position by pushing MULTI-CONTROL right after entering the title.
When you push **MULTI-CONTROL** right one more time, the entered title is stored in memory.

9 Press BAND/ESC to return to the playback display.

Notes

- Titles remain in memory, even after the disc is removed from the unit, and are recalled when the disc is reinserted.
- After data for 48 discs are stored in the memory, data for a new disc overwrites the oldest one.

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Bluetooth Audio

Important

- Depending on the Bluetooth audio player connected to this unit, the operations available with this unit are limited to the following two levels:
  - — Lower level: Only playing back songs on your audio player is possible.
  - — Higher level: Playing back, pausing, selecting songs, etc., are possible (all the operations illustrated in this manual).
- Since there are a number of Bluetooth audio players available on the market, operations with your Bluetooth audio player using this unit vary extensively. Refer to the instruction manual that came with your Bluetooth audio player as well as this manual while operating your player on this unit.
- Information about songs (e.g. the elapsed playing time, song title, song index, etc.) cannot be displayed on this unit.
- While you are listening to songs on your Bluetooth audio player, refrain from using on your cellular phone as much as possible. If you use your cellular phone, the signal from your cellular phone may cause noise on the song playback.
- When you are talking on a cellular phone connected to this unit via Bluetooth wireless technology, song playback from your Bluetooth audio player connected to this unit is muted.
- Even if you are listening to a song on your Bluetooth audio player and you switch to another source, song playback continues.

Connecting a Bluetooth audio player

- Before you can use audio players you may need to enter the PIN code into this unit. If your player requires a PIN code to establish a connection, look for the code on the player or in its accompanying documentation. Refer to *Entering PIN code for Bluetooth wireless connection* on page 43.

Using a Bluetooth audio player to initiate a connection

1 Press MULTI-CONTROL to display the main menu.

2 Use MULTI-CONTROL to select CONNECTION.

Turn to change the menu option. Press to select.

- You can also select this menu by pressing and holding **PHONE/☎/CONNECT** on the ordinary display.

3 Turn MULTI-CONTROL to select BT AUDIO DEVICE.

- If there is previous connection log in this unit, you can select the Bluetooth device from **PAIRED DEVICE**.

Refer to *Connecting a paired Bluetooth audio player.*

4 Use MULTI-CONTROL to select a group.

Push **MULTI-CONTROL** up or down to select a group.

NOKIA (Nokia)—**STANDARD** (standard)

- Normally select **STANDARD**. If the device of Nokia is not paired to this unit, select **NOKIA**.
- Push **MULTI-CONTROL** left or right to display a group name or an ID.

5 Press MULTI-CONTROL to open the connection.

READY will be displayed.

- This unit is now on standby for connection from Bluetooth audio player.
- Push **MULTI-CONTROL** left or right to display the device name, BD address and PIN code of this unit.

6 Use your Bluetooth audio player to establish connection.

PIN code is set to **0000** as the default. You can change this code in the initial setting. Refer to *Entering PIN code for Bluetooth wireless connection* on page 43.

While connecting, **CONNECTING** is displayed. If the connection is established, **CONNECTED** is displayed.

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Connecting a paired Bluetooth audio player

1 Press MULTI-CONTROL to display the main menu.

2 Use MULTI-CONTROL to select CONNECTION.
Turn to change the menu option. Press to select.

3 Turn MULTI-CONTROL to select PAIRED DEVICE.
Paired device name will be displayed.
- Push **MULTI-CONTROL** left or right to switch the device name, BD address, group name and group ID.

4 Press MULTI-CONTROL to establish connection.
- While connecting, **CONNECTING** flashes. If the connection is established, **CONNECTED** is displayed.
- If the connection fails, **ERROR** is displayed. In this case, try again from the beginning.

Disconnecting a Bluetooth audio player

This function can be operated only when the Bluetooth wireless connection is being established.

1 Press MULTI-CONTROL to display the main menu.

2 Use MULTI-CONTROL to select CONNECTION.
Turn to change the menu option. Press to select.

3 Turn MULTI-CONTROL to select DISCONNECT AUDIO.

4 Press MULTI-CONTROL to disconnect the Bluetooth wireless connection.

Basic Operations

- **Fast forward or reverse**
Push and hold **MULTI-CONTROL** left or right.

- **Select a track**
Push **MULTI-CONTROL** left or right.

Note

Even though your audio player does not contain a Bluetooth module, you can still control it from this unit via Bluetooth wireless technology. To control your audio player using this unit, connect a product featuring Bluetooth wireless technology (available on the market) to your audio player.

Introduction to advanced operations

1 Press MULTI-CONTROL to display the main menu.

2 Use MULTI-CONTROL to select FUNCTION.
Turn to change the menu option. Press to select.
The function menu is displayed.

3 Turn MULTI-CONTROL to select the function.
PLAY (play)—**STOP** (stop)—**PAUSE** (pause)—**AUTO CONNECT** (automatic connection setting)—**DEVICE INFO** (device information)

Function and operation

PAUSE is the same as that of the built-in CD player.

Function name	Operation
PAUSE	Refer to *Pausing playback* on page 18.

Notes

- To return to the ordinary display, press **BAND/ESC**.

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- If a Bluetooth audio player is not connected to this unit yet, **AUTO CONNECT** and **DEVICE INFO** appear in the function menu and other functions are not available.
- If a Bluetooth audio player is connected via A2DP (Advanced Audio Distribution Profile), only **AUTO CONNECT** and **DEVICE INFO** appear in the function menu.
- If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display.

Playing songs on a Bluetooth audio player

1 Display the function menu.
Refer to *Introduction to advanced operations* on the previous page.

2 Use MULTI-CONTROL to select PLAY in the function menu.

3 Press MULTI-CONTROL to start playback.

Stopping playback

1 Display the function menu.
Refer to *Introduction to advanced operations* on the previous page.

2 Use MULTI-CONTROL to select STOP in the function menu.

3 Press MULTI-CONTROL to stop the playback.

Connecting to a Bluetooth audio player automatically

- Initially, this function is set to on.

1 Display the function menu.
Refer to *Introduction to advanced operations* on the previous page.

2 Use MULTI-CONTROL to select AUTO CONNECT in the function menu.

3 Press MULTI-CONTROL to turn automatic connection on.
If your Bluetooth audio player is ready for Bluetooth wireless connection, connection to this unit is automatically established.
- To turn automatic connection off, press **MULTI-CONTROL** again.

Displaying BD (Bluetooth Device) address

This unit displays the BD address of this unit.

1 Display the function menu.
Refer to *Introduction to advanced operations* on the previous page.

2 Use MULTI-CONTROL to select DEVICE INFO in the function menu.

3 Push MULTI-CONTROL left to switch to the BD address.
12-digit hexadecimal string is displayed.
- Pushing **MULTI-CONTROL** right returns to the device name. ▣

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Bluetooth Telephone

Important

- Since this unit is on standby to connect with your cellular phone via Bluetooth wireless technology, using this unit without running the engine can result in battery drainage.
- Advanced operations that require your attention such as dialing numbers on the monitor, using phone book, etc., are prohibited while you are driving. When you need to use these advanced operations, stop your vehicle in a safe place.

Setting up for hands-free phoning

Before you can use the hands-free phoning function you must set up the unit for use with your cellular phone. This entails establishing a Bluetooth wireless connection between this unit and your phone, pairing your phone with this unit, and adjusting the volume level.

1 Connection

For detailed instructions on connecting your phone to this unit via Bluetooth wireless technology, refer to *Connecting and disconnecting a cellular phone* on the next page.

2 Pairing

Pairing is usually performed automatically during the connection operation. You only need to perform this operation manually when your phone is connected temporarily for any reason.

We recommend you pair the phone to this unit to make best use of the technology.

To pair your temporarily connected phone, refer to *Pairing a connected cellular phone* on page 26.

3 Volume adjustment

Adjust the earpiece volume on your cellular phone for comfort. When adjusted, the volume level is recorded in this unit as the default setting.

- Caller's voice volume and ring volume may vary depending on the type of cellular phone.
- If the difference between the ring volume and caller's voice volume is big, overall volume level may become unstable.
- Before disconnecting the cellular phone from this unit, make sure to adjust the volume to a proper level. If the volume is muted (zero level) on your cellular phone, the volume level of your cellular phone remains muted even after the cellular phone is disconnected.

Notes

- The equalizer curve for the phone source is fixed.
- When selecting the phone source, you can only operate **FADER** (balance adjustment) in the audio menu.
- When selecting the phone source, the fader value is set to **FADER:F15** as an initial setting.

Introduction of connection and registration

1 Press MULTI-CONTROL to display the main menu.

2 Use MULTI-CONTROL to select CONNECTION.

The connection menu is displayed.

Turn to change the menu option. Press to select.

- You can also select this menu by pressing and holding **PHONE/☎/CONNECT** on the ordinary display.

3 Turn MULTI-CONTROL to select the function.

PAIRED PHONE (paired phone)—**BT HANDS FREE** (new phone)—**SET PHONE** (phone registration)—**DISCONNECT PHONE** (disconnect phone)—**DELETE PHONE** (delete phone)

If the phone is not connected and not paired

The following function can be operated.

- **BT HANDS FREE** (new phone)

If the phone is not connected but paired

The following functions can be operated.

- **PAIRED PHONE** (pair phone manually)

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- **BT HANDS FREE** (new phone)
- **DELETE PHONE** (delete phone)

If the phone is connected but not paired

The following functions can be operated.

- **SET PHONE** (phone registration)
- **DISCONNECT PHONE** (disconnect phone)
- **DELETE PHONE** (delete phone)

If the phone is connected and paired

The following functions can be operated.

- **DISCONNECT PHONE** (disconnect phone)
- **DELETE PHONE** (delete phone)

Notes

- The device name is set to **PIONEER FLAP BT** as default. You can change the device name in the initial setting. Refer to *Editing device name* on page 43.
- PIN code is set to **0000** as the default. You can change this code in the initial setting. Refer to *Entering PIN code for Bluetooth wireless connection* on page 43.

Connecting and disconnecting a cellular phone

Using a cellular phone to initiate a connection

1 Display the connection menu.

Refer to *Introduction of connection and registration* on the previous page.

2 Use MULTI-CONTROL to select BT HANDS FREE.

3 Use MULTI-CONTROL to select a group.

Push **MULTI-CONTROL** up or down to select a group.

NOKIA (Nokia)—**STANDARD** (standard)

- Normally select **STANDARD**. If the device of Nokia is not paired to this unit, select **NOKIA**.
- Push **MULTI-CONTROL** left or right to display a group name or an ID.

4 Press MULTI-CONTROL to switch to PAIRE FROM PHONE.

Push **MULTI-CONTROL** up or down to switch **PAIRE FROM PHONE** and **SEARCH DEVICE**.

5 Select PAIRE FROM PHONE and then press MULTI-CONTROL to ready for pairing.

READY will be displayed.

6 Use your cellular phone to establish connection.

PIN code is set to **0000** as the default. You can change this code in the initial setting. Refer to *Entering PIN code for Bluetooth wireless connection* on page 43.

While connecting, **CONNECTING** is displayed. If the connection is established, **COMPLETED** is displayed.

After connected, this unit automatically changes to **PH. BOOK DL** (phone book download confirmation) display.

- If the connection fails, **ERROR** is displayed. In this case, check the cellular phone and try again.
- If three cellular phones have already been paired, the pairing assignment selection display will appear. Select one assignment to pair the new phone. The newly paired phone overwrites the previously paired phone. The assignment selection operation is the same as Step 3 to 4 of *Pairing a connected cellular phone* on page 26 except for the operation below.
  - Switching the BD address and device name

7 Use MULTI-CONTROL to decide to download the phone book from your cellular phone or not.

Push **MULTI-CONTROL** left or right to select **NO** (No) or **YES** (Yes).

Press **MULTI-CONTROL** to decide.

When you select **YES**, this unit changes to **PH BOOK DOWNLOAD** and the download operation automatically begins. After completing, **DATA DOWNLOADED** is displayed.

According to the circumstances, this unit changes to **PH BOOK TRANSFER**. In this case, refer to step 4 on *Transferring entries to the phone book* on page 33.

- When you select **NO**, the display reverts to normal.

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Using this unit to initiate a connection

1 Display the connection menu.
Refer to *Introduction of connection and registration* on page 23.

2 Use MULTI-CONTROL to select BT HANDS FREE.

3 Use MULTI-CONTROL to select a group.
Push **MULTI-CONTROL** up or down to select a group.
NOKIA (Nokia)—**STANDARD** (standard)
- Normally select **STANDARD**. If the device of Nokia is not paired to this unit, select **NOKIA**.
- Push **MULTI-CONTROL** left or right to display a group name or an ID.

4 Press MULTI-CONTROL to switch to PAIRE FROM PHONE.
Push **MULTI-CONTROL** up or down to switch **PAIRE FROM PHONE** and **SEARCH DEVICE**.

5 Select SEARCH DEVICE and then press MULTI-CONTROL to start searching.
While searching, **SEARCHING** is displayed.
- If this unit fails to find any available cellular phones, **NOT FOUND** is displayed.

6 Use MULTI-CONTROL to select a device.
Push **MULTI-CONTROL** up or down to select a device name you want to connect.
Press **MULTI-CONTROL** to select a device name.
- Push **MULTI-CONTROL** left or right to switch the BD address and device name.

7 Use your cellular phone to establish connection.
PIN code is set to **0000** as the default. You can change this code in the initial setting. Refer to *Entering PIN code for Bluetooth wireless connection* on page 43.
While connecting, **CONNECTING** is displayed.
If the connection is established, **COMPLETED** is displayed.
After connected, this unit automatically changes to **PH. BOOK DL** (phone book download confirmation) display.
- If the connection fails, **ERROR** is displayed. In this case, check the cellular phone and try again.
- If three cellular phones have already been paired, the pairing assignment selection display will appear. Select one assignment to pair the new phone. The newly paired phone overwrites the previously paired phone. The assignment selection operation is the same as Step 3 to 4 of *Pairing a connected cellular phone* on the next page except for the operation below.
  - Switching the BD address and device name

8 Use MULTI-CONTROL to decide to download the phone book from your cellular phone or not.
Push **MULTI-CONTROL** left or right to select **NO** (No) or **YES** (Yes).
Press **MULTI-CONTROL** to decide.
When you select **YES**, this unit changes to **PH BOOK DOWNLOAD** and the download operation automatically begins. After completing, **DATA DOWNLOADED** is displayed.
According to the circumstances, this unit changes to **PH BOOK TRANSFER**. In this case, refer to step 4 on *Transferring entries to the phone book* on page 33.
- When you select **NO**, the display reverts to normal.

Connecting a paired cellular phone

1 Display the connection menu.
Refer to *Introduction of connection and registration* on page 23.

2 Turn MULTI-CONTROL to select PAIRED PHONE.
- Push **MULTI-CONTROL** up or down to select a desired phone.
- Push **MULTI-CONTROL** left or right to display the BD address, group and ID number.

3 Press MULTI-CONTROL to start connection.
While connecting, **CONNECTING** is displayed.
If the connection is established, **CONNECTED** is displayed.

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After connected, this unit automatically changes to **PH. BOOK DL** (phone book download confirmation) display.
- If the connection fails, **ERROR** is displayed. In this case, check the cellular phone and try again.

4 Use MULTI-CONTROL to decide to download the phone book from your cellular phone or not.
Push **MULTI-CONTROL** left or right to select **NO** (No) or **YES** (Yes).
Press **MULTI-CONTROL** to decide.
When you select **YES**, this unit changes to **PH BOOK DOWNLOAD** and the download operation automatically begins. After completing, **DATA DOWNLOADED** is displayed.
- When you select **NO**, the display reverts to normal.

Disconnecting a cellular phone

1 Display the connection menu.
Refer to *Introduction of connection and registration* on page 23.

2 Use MULTI-CONTROL to select DISCONNECT PHONE.

3 Press MULTI-CONTROL to disconnect a cellular phone from this unit.
After disconnection is completed, **DISCONNECTED** is displayed.

Pairing a connected cellular phone

Pairing is usually performed automatically during the connection operation. You only need to perform this operation manually when your phone is connected temporarily for any reason. We recommend you pair the phone to this unit to make best use of the technology.

1 Display the connection menu.
Refer to *Introduction of connection and registration* on page 23.

2 Use MULTI-CONTROL to select SET PHONE.

3 Push MULTI-CONTROL up or down to select a pairing assignment.
1 (user phone 1)—**2** (user phone 2)—**3** (user phone 3)
- Push **MULTI-CONTROL** left or right to switch the BD address and device name.
- If a phone is already assigned to the user phone number, the new phone will overwrite the old one.
- As you select each assignment, you can see whether or not a phone is already paired. If the assignment is empty, **NO DATA** is displayed.

4 Press MULTI-CONTROL to pair the currently connected phone.
When pairing is completed, **COMPLETED** is displayed.
- If the pairing fails, **REGISTER ERROR** is displayed. In this case, return to step 1 and try again.

Deleting a registered phone

1 Display the connection menu.
Refer to *Introduction of connection and registration* on page 23.

2 Use MULTI-CONTROL to select DELETE PHONE.

3 Push MULTI-CONTROL up or down to select a pairing assignment.
1 (user phone 1)—**2** (user phone 2)—**3** (user phone 3)
- Push **MULTI-CONTROL** left to display the BD address of the selected device.
- If the assignment is empty, **NO DATA** is displayed and operation is not possible.

4 Push MULTI-CONTROL right to select DELETE YES.
DELETE YES is displayed. Deleting phone is now on standby.

5 Press MULTI-CONTROL to delete the phone.
After the phone is deleted, **DELETED** is displayed.

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Making a phone call

Dial a number

The most basic way to make a call is to simply dial the number.
Refer to *Making a call by entering phone number* on page 34 for detailed instructions.

Calling a number in the Phone Book or the Call History

Refer to *Calling a number in the phone book* on the next page and *Using the call history* on the next page for detailed instructions.

Preset number

Numbers that you dial frequently can be assigned to presets for quick recall.
Refer to *Using preset numbers* on page 30 for how to assign a number to a preset.

Voice recognition

If your cellular phone features voice recognition technology, you can make a call by voice commands.

- Operation varies depending on the type of cellular phone. Refer to the instruction manual that came with your cellular phone for detailed instructions.
- This function can be operated only when the connection is established with HFP (Hands Free Profile).

1 Press BAND/ESC and hold until VOICE DIAL ON appears in the display.

When **VOICE DIAL ON** is displayed, voice recognition function is ready.

▪ If your cellular phone does not feature voice recognition function, **NO VOICE DIAL** appears in the display and operation is not possible.

2 Pronounce the name of your contact.

Taking a phone call

Answering or rejecting an incoming call

- **Answering an incoming call**

When a call comes in, press **MULTI-CONTROL**.

- **End a call**

Press ☎.

- **Rejecting an incoming call**

When a call comes in, press ☎.

- **Put the call on hold**

Press **MUTE** while talking on the phone.

Notes

- Pressing **MULTI-CONTROL** while talking on the phone changes into **ECHO CANCEL** of **FUNCTION**. For details on **ECHO CANCEL**, refer to *Echo canceling and noise reduction* on page 33.
- The estimated call time appears in the display (this may differ slightly from the actual call time).

Operating a call waiting

- **Answering a call waiting**

When a call comes in, press **MULTI-CONTROL**.

- **End all calls**

Press ☎.

- **Switch between callers on hold**

Press **MULTI-CONTROL**.

- **Rejecting call waiting**

Press ☎.

Note

To end the call, both you and your caller need to hang up the phone.

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Using the phone number list

Important

Be sure to park your vehicle and apply the parking brake when operating the list.

● **Press LIST to display the list.**

Press **LIST** repeatedly to switch between the following lists:

RECENT CALLS (call history)—**ABC SEARCH** (phone book)—**DIAL PRESET** (preset number list)

- For more details about the call history, refer to *Using the call history* on this page.
- For more details about the Phone Book list, refer to *Using the phone book* on this page.
- For more details about the preset number list, refer to *Using preset numbers* on page 30.

■ If no phone numbers are stored in the selected list, **NO DATA** is displayed.

Using the call history

The 20 most recent calls dialed, received, and missed are stored in the call history. You can browse the call history and call numbers from it.

1 Press LIST to display RECENT CALLS (call history list).

Refer to *Using the phone number list* on this page.

2 Turn MULTI-CONTROL to select a phone number.

Turning **MULTI-CONTROL** to change the phone numbers stored in the list.

■ If the phone number is already in the phone book, the corresponding name is displayed. In this case, press and hold **DISP** to scroll the name.

■ You can also change the phone number by pushing **MULTI-CONTROL** up or down.

3 Push MULTI-CONTROL right to display the detailed list.

Name, phone number and date are displayed in the detailed list.

■ If the number is already in the Phone Book then the name is also displayed.

■ Turning **MULTI-CONTROL** switches to the previous or next phone number diplayed in the detailed list.

■ If you do not operate anything within about 30 seconds, the list display is canceled automatically.

4 Press MULTI-CONTROL to make a call.

■ While in the phone number list, press and hold **MULTI-CONTROL** to add or delete **+** to the phone number.

5 To end the call, press ☎.

Using the phone book

Before using the phone book, you need to set up the phone book. To set up the phone book, refer to *Downloading phone books from your cellular phone* on page 32 and refer to *Transferring entries to the phone book* on page 33.

Calling a number in the phone book

After finding the number you want to call in the phone book, you can select the entry and make the call.

1 Press LIST to display ABC SEARCH (phone book).

Refer to *Using the phone number list* on this page.

2 Turn MULTI-CONTROL to select the first letter of the name you are looking for.

■ You can also perform the same operation by pushing **MULTI-CONTROL** up or down.

3 Press MULTI-CONTROL to display entries.

The display shows the first three Phone Book entries starting with that letter (e.g. “Ben”, “Brian” and “Burt” when “B” is selected).

4 Turn MULTI-CONTROL to select a phone book entry you want to call.

■ You can also perform the same operation by pushing **MULTI-CONTROL** up or down.

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- You can scroll literal information by pressing and holding **DISP**.

5 Press MULTI-CONTROL to display the phone number list of the selected entry.

- You can also display the phone number list of the selected entry by pushing **MULTI-CONTROL** right.
- You can scroll literal information by pressing and holding **DISP**.
- If several phone numbers are included in an entry, select one by turning **MULTI-CONTROL**.
- If you want to go back and select another entry, push **MULTI-CONTROL** left.

6 Press MULTI-CONTROL to make a call.

7 To end the call, press ☎.

Editing phone numbers

You can edit the phone numbers of phone book entries.

1 Display the phone number list of your desired phone book entry.

See step 1 to 5 on *Calling a number in the phone book* on the previous page for how to do this.

2 Press and hold MULTI-CONTROL to display the edit screen.

3 Turn MULTI-CONTROL to display EDIT NUMBER (number edit screen).

Turning **MULTI-CONTROL** switches input screens in the following order:
EDIT NUMBER (number edit screen)—**EDIT GENRE** (genre edit screen)—**CLR MEMO** (clear memory screen)

4 Push MULTI-CONTROL left or right to move the cursor to the number you want to change.

5 Push MULTI-CONTROL up or down to change numbers.

Repeat these steps until you have finished changing the number.

- Press and hold **MULTI-CONTROL** to add or delete **+** to the phone number.

6 Press MULTI-CONTROL to store the new number.

After the number is stored, the display reverts to the detailed list.

Assign genres to phone numbers

If there are a lot of entries in the Phone Book it can be useful to assign them to specific genres (categories) for easier searching. There are four preset genres that you can assign entries to: **HOME**, **MOBILE**, **OFFICE** and **OTHERS**.

1 Display the phone number list of your desired phone book entry.

See step 1 to 5 on *Calling a number in the phone book* on the previous page for how to do this.

2 Press and hold MULTI-CONTROL to display the edit screen.

3 Turn MULTI-CONTROL to display EDIT GENRE (genre edit screen).

Turning **MULTI-CONTROL** switches input screens in the following order:
EDIT NUMBER (number edit screen)—**EDIT GENRE** (genre edit screen)—**CLR MEMO** (clear memory screen)

4 Push MULTI-CONTROL up or down to select a genre.

Each time **MULTI-CONTROL** is pushed up or down, the genres are switched in the following order:
HOME (home)—**MOBILE** (mobile)—**OFFICE** (office)—**OTHERS** (other)

5 Press MULTI-CONTROL to assign a genre to the phone number.

The selected genre is assigned to the phone number, and the display reverts to the detailed list.

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Clearing a phone book entry

1 Display the phone number list of your desired phone book entry.
See step 1 to 5 on *Calling a number in the phone book* on page 28 for how to do this.

2 Press and hold MULTI-CONTROL to display the edit screen.

3 Turn MULTI-CONTROL to display CLR MEMO (clear memory screen).
Turning **MULTI-CONTROL** switches input screens in the following order:
EDIT NUMBER (number edit screen)—**EDIT GENRE** (genre edit screen)—**CLR MEMO** (clear memory screen)

4 Push MULTI-CONTROL right to show a confirmation display.
CLEAR MEMORY YES is displayed.
- If you do not want to clear the memory that you have selected, push **MULTI-CONTROL** left. The display reverts to normal.

5 Press MULTI-CONTROL to delete the Phone Book entry.
The Phone Book entry is deleted and **CLEARED** is displayed. The display returns to Phone Book entry list.

Using preset numbers

Numbers that you dial frequently can be assigned to presets for quick recall.

Assigning preset numbers

1 Press LIST to display DIAL PRESET (preset number list).
Refer to *Using the phone number list* on page 28.

2 Turn MULTI-CONTROL to switch preset numbers.
You can select preset number from **1** to **10**.
- Press and hold **DISP** to scroll the phone number.
- If the phone number is already in the phone book, the corresponding name is displayed. In this case, press and hold **DISP** to scroll the name.
- You can also change the phone number by pushing **MULTI-CONTROL** up or down.

3 Press MULTI-CONTROL to select a preset number that you want to assign a phone number to.

4 Press and hold MULTI-CONTROL to display MEMORY.
Push **MULTI-CONTROL** up or down to switch **MEMORY** (memory) and **DELETE** (delete).
- If a phone number is already stored in the selected preset number, the new phone number will overwrite the old one.
- For details on deleting, refer to *Deleting preset numbers* on the next page.

5 Select MEMORY and then press MULTI-CONTROL to display the phone book.

6 Turn MULTI-CONTROL to select the first letter of the name you are looking for.
- You can also perform the same operation by pushing **MULTI-CONTROL** up or down.

7 Press MULTI-CONTROL to display entries.
The display shows the first three Phone Book entries starting with that letter (e.g. “Ben”, “Brian” and “Burt” when “B” is selected).

8 Turn MULTI-CONTROL to select a phone book entry you want to store in the preset list.
- You can also perform the same operation by pushing **MULTI-CONTROL** up or down.
- You can scroll literal information by pressing and holding **DISP**.

9 Press MULTI-CONTROL to display the phone number list of the selected entry.
- You can also display the phone number list of the selected entry by pushing **MULTI-CONTROL** right.
- If several phone numbers are included in an entry, select one by turning **MULTI-CONTROL**.

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- You can scroll literal information by pressing and holding **DISP**.
- If you want to go back and select another entry, push **MULTI-CONTROL** left.

10 Press MULTI-CONTROL to store the phone number in the preset list.

Deleting preset numbers

1 Press LIST to display DIAL PRESET (preset number list).
Refer to *Using the phone number list* on page 28.

2 Turn MULTI-CONTROL to switch preset numbers.
- Press and hold **DISP** to scroll the phone number.
- If the phone number is already in the phone book, the corresponding name is displayed. In this case, press and hold **DISP** to scroll the name.
- You can also change the preset phone number by pushing **MULTI-CONTROL** up or down.

3 Press MULTI-CONTROL to select a preset phone number that you want to delete.

4 Press and hold MULTI-CONTROL to display MEMORY.
Push **MULTI-CONTROL** up or down to switch **MEMORY** (memory) and **DELETE** (delete).
- About assigning , *Assigning preset numbers* on the previous page.

5 Select DELETE and then press MULTI-CONTROL to delete the preset phone number.

Calling a number in the preset list

After finding the number you want to call in the preset list, you can select the entry and make a call.

1 Press LIST to display DIAL PRESET (preset number list).
Refer to *Using the phone number list* on page 28.

2 Turn MULTI-CONTROL to select the phone number.
- Press and hold **DISP** to scroll the phone number.
- If the phone number is already in the phone book, the corresponding name is displayed. In this case, press and hold **DISP** to scroll the name.
- You can also change the phone number by pushing **MULTI-CONTROL** up or down.

3 Press MULTI-CONTROL to make a call.

4 To end the call, press ☎.

Assigning preset numbers by using MULTI-CONTROL

1 Push MULTI-CONTROL up or down to switch preset numbers.

2 Perform from step 4 to 10 of *Assigning preset numbers* on the previous page.

Calling number in the preset list by using MULTI-CONTROL

1 Push MULTI-CONTROL up or down to switch preset numbers.

2 Press MULTI-CONTROL to make a call.

3 To end the call, press ☎.

Introduction to advanced operations

1 Press MULTI-CONTROL to display the main menu.

2 Use MULTI-CONTROL to select FUNCTION.
The function menu is displayed.
Turn to change the menu option. Press to select.

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3 Turn MULTI-CONTROL to select the function.

PH BOOK DOWNLOAD (phone book download)—**PH BOOK TRANSFER** (phone book transfer)—**AUTO CONNECT** (automatic connection setting)—**AUTO ANSWER** (automatic answer setting)—**ECHO CANCEL** (echo cancel)—**RING TONE** (ring tone select)—**NUMBER DIAL** (call by entering number)—**CLR MEMO** (clear memory)—**ADD+** (international call prefix setting)—**PH. B. NAME VIEW** (phone book name view)—**MENU** (menu language)—**DEVICE INFO** (device information)

If not connected yet

The following functions cannot be operated.

- **PH BOOK DOWNLOAD** (phone book download)
- **ECHO CANCEL** (echo cancel)
- **NUMBER DIAL** (call by entering number)
- **CLR MEMO** (clear memory)
- **ADD+** (international call prefix setting)
- **PH. B. NAME VIEW** (phone book name view)

If connected but not paired yet

The following functions cannot be operated.

- **PH BOOK DOWNLOAD** (phone book download)
- **ECHO CANCEL** (echo cancel)
- **CLR MEMO** (clear memory)
- **ADD+** (international call prefix setting)
- **PH. B. NAME VIEW** (phone book name view)

Notes

- To return to the playback display, press **BAND/ESC**.
- **DEVICE INFO** is the same as that of the Bluetooth audio. (Refer to *Displaying BD (Bluetooth Device) address* on page 22.)
- If cellular phone is connected to this unit via Bluetooth wireless technology with HFP (Hands-Free Profile), PBAP (Phone Book Access Profile) and SPP (Serial Port Profile), **PH BOOK DOWNLOAD** can be operated.
- If you do not operate functions other than **PH BOOK DOWNLOAD**, **PH BOOK TRANSFER**, and **NUMBER DIAL** within about 30 seconds, the display automatically returns to the ordinary display.

Downloading phone books from your cellular phone

Phone books in your cellular phone can be downloaded and stored in this unit.

- Depending on the cellular phone, you cannot use this function.
- 400 entries for each user (max. 3 users) can be stored in the phone book. Each independent entry can hold three phone numbers and genres.

1 Display the function menu.

Refer to *Introduction to advanced operations* on the previous page.

2 Use MULTI-CONTROL to select PH BOOK DOWNLOAD.

3 Press MULTI-CONTROL to enter in the phone book download standby mode.

Phone book downloading starts automatically. When phone book download is completed, **DATA DOWNLOADED** is displayed.

- The display indicates how many entries have been transferred and the total number to be transferred.
- If the ID and the password are requested, refer to *Entering the ID and the password* on this page.

Entering the ID and the password

If the ID and the password are requested, read the following instructions to enter the ID and the password.

- Up to 20 characters can be entered for the ID and up to 16 characters can be entered for the password.

1 Press DISP to switch between alphabet and numbers.

Press **DISP** repeatedly to switch between the following character types:

Alphabet—Numbers and symbols

2 Push MULTI-CONTROL up or down to select a letter.

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3 Push MULTI-CONTROL left or right to move the cursor to the previous or next character position.

4 Press MULTI-CONTROL to determine the ID and the password.

5 After entering the ID and password, use your cellular phone to continue the procedure.

Transferring entries to the phone book

Phone books in your cellular phone can be transferred to this unit by using your cellular phone.

- 400 entries for each user (max. 3 users) can be stored in the phone book. Each independent entry can hold three phone numbers and genres.

1 Display the function menu.
Refer to *Introduction to advanced operations* on page 31.

2 Use MULTI-CONTROL to select PH BOOK TRANSFER.

3 Press MULTI-CONTROL to enter the phone book transfer standby mode.

4 Use the cellular phone to perform phone book transfer.
Perform phone book transfer using the cellular phone. For detailed instructions, refer to the instruction manual that came with your cellular phone.
When phone book transfer is completed, **DATA TRANSFERRED** is displayed.

- The display indicates how many entries have been transferred and the total number to be transferred.

Setting the automatic connection

It is possible to set the automatic connection between your cellular phone and this unit. If this function is set to on, connection between your cellular phone and this unit will take place automatically as soon as the two devices are less than a few meters apart.

- With some cellular phones, it may not be possible to perform the automatic connection.

1 Display the function menu.
Refer to *Introduction to advanced operations* on page 31.

2 Use MULTI-CONTROL to select AUTO CONNECT.

3 Press MULTI-CONTROL to turn automatic connection on.

- To turn automatic connection off, press **MULTI-CONTROL** again.

Note

Automatic connection is performed in the registration number order.

Setting automatic answering

1 Display the function menu.
Refer to *Introduction to advanced operations* on page 31.

2 Use MULTI-CONTROL to select AUTO ANSWER.

3 Press MULTI-CONTROL to turn automatic answering on.

- To turn automatic answering function off, press **MULTI-CONTROL** again.

Echo canceling and noise reduction

1 Display the function menu.
Refer to *Introduction to advanced operations* on page 31.

2 Use MULTI-CONTROL to select ECHO CANCEL.

3 Push MULTI-CONTROL left or right to select the desired setting.
OFF (off)—**LOW**—**MID**—**HIGH**

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■ This function can be performed even while talking on the phone. In this case, press **MULTI-CONTROL** to switch to **ECHO CANCEL**.

Switching the ring tone

1 Display the function menu.
Refer to *Introduction to advanced operations* on page 31.

2 Use MULTI-CONTROL to select RING TONE in the function menu.

3 Push MULTI-CONTROL left or right to select the desired setting.
OFF (off)—**1**—**2**—**3**

Making a call by entering phone number

Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

1 Display the function menu.
Refer to *Introduction to advanced operations* on page 31.

2 Use MULTI-CONTROL to select NUMBER DIAL.

3 Push MULTI-CONTROL up or down to select a number.

4 Push MULTI-CONTROL left or right to move the cursor to the previous or next position.
■ Up to 24 digits can be entered.

5 When you finish entering the number, press MULTI-CONTROL.
Call confirmation appears.

6 Press MULTI-CONTROL again to make a call.

7 To end the call, press ☎.

Clearing memory

1 Display the function menu.
Refer to *Introduction to advanced operations* on page 31.

2 Use MULTI-CONTROL to select CLR MEMO.

3 Push MULTI-CONTROL up or down to select an item.
PH BOOK (phone book)—**ALL** (delete all memory)—**PRESET** (preset phone numbers)—**RECENT** (call history)
■ If you want to clear the entire Phone Book, call history list and preset phone number, select **ALL**.

4 Push MULTI-CONTROL right to determine the item that you want to delete from this unit.
CLEAR MEMORY YES is displayed. Clearing memory is now on standby.
■ If you do not want to clear the memory that you have selected, push **MULTI-CONTROL** left. The display reverts to normal.

5 Press MULTI-CONTROL to clear the memory.
CLEARED is displayed and data on the selected item is cleared from this unit's memory.

Adding the prefix for international calls

You can add the international call prefix "+" to all calls.

1 Display the function menu.
Refer to *Introduction to advanced operations* on page 31.

2 Use MULTI-CONTROL to select ADD+.

3 Press MULTI-CONTROL to add the prefix to all calls.
■ To turn off, press **MULTI-CONTROL** again.

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Changing the phone book display order

1 Display the function menu.
Refer to *Introduction to advanced operations* on page 31.

2 Use MULTI-CONTROL to select PH. B. NAME VIEW.
INVERT NAME YES is displayed.

3 Press MULTI-CONTROL to change the name view order.
INVERTED is displayed.
Pressing **MULTI-CONTROL** repeatedly changes the name view order between first and last name.

Selecting menu language

Menu language related to Bluetooth audio/telephone can be changed.

- Some characters may not be displayed properly.

1 Display the function menu.
Refer to *Introduction to advanced operations* on page 31.

2 Use MULTI-CONTROL to select MENU.

3 Press MULTI-CONTROL to select the language.
ENGLISH (English)—**PYCCKOE** (Russian)—**ESPANOL** (Spanish)

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Introduction of audio adjustments

1 Press MULTI-CONTROL to display the main menu.

2 Use MULTI-CONTROL to select AUDIO.
Turn to change the menu option. Press to select.
The audio menu is displayed.

3 Turn MULTI-CONTROL to select the audio function.
Turn **MULTI-CONTROL** to switch between the audio functions in the following order.
FADER (balance adjustment)—**P. EQ** (equalizer recall)—**EQ** (equalizer adjustment)—**EQ** (equalizer fine adjustment)—**LOUDNESS** (loudness)—**SUB W1** (subwoofer on/off setting)—**SUB W2** (subwoofer setting)—**HPF** (high pass filter)—**BASS BOOST** (bass boost)—**SLA** (source level adjustment)

- You can also select the audio function by pressing **AUDIO** on the remote control.
- When the sound is muted or attenuated, audio function cannot be performed.
- You can select the **SUB W2** only when subwoofer output is turned on in **SUB W1**.
- When the subwoofer controller setting is **PREOUT:REAR**, you cannot switch to **SUB W1** (subwoofer on/off setting). (Refer to page 41.)
- When selecting FM as the source, you cannot switch to **SLA**.
- To return to the display of each source, press **BAND/ESC**.
- If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display.

Using balance adjustment

You can change the fader/balance setting so that it can provide the ideal listening environment in all occupied seats.

1 Display the audio menu.
Refer to *Introduction of audio adjustments* on this page.

2 Use MULTI-CONTROL to select FADER.

- If the balance setting has been previously adjusted, **BALANCE** will be displayed.

3 Push MULTI-CONTROL up or down to adjust front/rear speaker balance.
Each time **MULTI-CONTROL** is pushed up or down, the front/rear speaker balance moves towards the front or rear.
FADER :F15 to **FADER :R15** is displayed as the front/rear speaker balance moves from front to rear.

- **FADER :F/R 0** is the proper setting when only two speakers are used.
- When the rear output setting is **SUB W**, you cannot adjust front/rear speaker balance. Refer to *Setting the rear output and subwoofer controller* on page 41.

4 Push MULTI-CONTROL left or right to adjust left/right speaker balance.
Each time **MULTI-CONTROL** is pushed left or right, the left/right speaker balance moves towards the left or right.
BALANCE :L15 to **BALANCE :R15** is displayed as the left/right speaker balance moves from left to right.

Using the equalizer

The equalizer lets you adjust the equalization to match the car's interior acoustic characteristics as desired.

Recalling equalizer curves

There are six stored equalizer curves which you can easily recall at any time. Here is a list of the equalizer curves.

Display	Equalizer curve
POWERFUL	Powerful
NATURAL	Natural

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VOCAL	Vocal
CUSTOM	Custom
FLAT	Flat
SUPER BASS	Super bass

- **CUSTOM** is an adjusted equalizer curve that you create. If you make adjustments to an equalizer curve, the equalizer curve setting is memorized in **CUSTOM**.
- When **FLAT** is selected, no supplement or correction is made to the sound. This is useful to check the effect of the equalizer curves by switching alternatively between **FLAT** and a set equalizer curve.

1 Use MULTI-CONTROL to select P. EQ.
POWERFUL appears in the display.
If the equalizer curve has been previously selected, the curve of that previously selected will be displayed instead of **POWERFUL**.

2 Push MULTI-CONTROL left or right to select an equalizer curve.
Each time **MULTI-CONTROL** is pushed left or right, equalizer curves are selected in the following order:
POWERFUL—NATURAL—VOCAL—CUSTOM—FLAT—SUPER BASS

Adjusting equalizer curves

The factory supplied equalizer curves can be adjusted to a fine degree (nuance control).

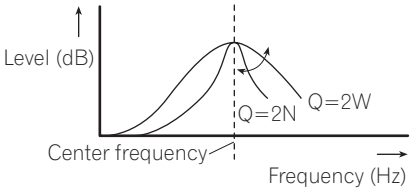
1 Recall the equalizer curve you want to adjust.
See *Recalling equalizer curves* on the previous page.

2 Push MULTI-CONTROL left or right to select the equalizer band to adjust.
EQ-LOW (low)—**EQ-MID** (mid)—**EQ-HI** (high)

3 Push MULTI-CONTROL up or down to adjust the equalizer curve.
+6 to **–6** is displayed as the equalizer curve is increased or decreased.

Fine-adjusting equalizer curve

You can adjust the center frequency and the Q factor (curve characteristics) of each currently selected curve band (**EQ-LOW**/**EQ-MID**/**EQ-HI**).



1 Use MULTI-CONTROL to select EQ.

2 Push MULTI-CONTROL left or right to select a desired frequency.
Low: **40HZ—80HZ—100HZ—160HZ**
Mid: **200HZ—500HZ—1KHZ—2KHZ**
High: **3KHZ—8KHZ—10KHZ—12KHZ**

3 Push MULTI-CONTROL up or down to select the desired Q factor.
Q factor
2N—1N—1W—2W

Adjusting loudness

Loudness compensates for deficiencies in the low- and high-sound ranges at low volume.

1 Display the audio menu.
Refer to *Introduction of audio adjustments* on the previous page.

2 Use MULTI-CONTROL to select LOUDNESS.

3 Press MULTI-CONTROL to turn loudness on.
Loudness level (e.g., **MID**) appears in the display.
- To turn loudness off, press **MULTI-CONTROL** again.

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4 Push MULTI-CONTROL left or right to select a desired level.
Each time **MULTI-CONTROL** is pushed left or right, level is selected in the following order:
LOW (low)—**MID** (mid)—**HIGH** (high)

Using subwoofer output

This unit is equipped with a subwoofer output which can be turned on or off.
Also, phase can be selected between normal and reverse.

1 Display the audio menu.
Refer to *Introduction of audio adjustments* on page 36.

2 Use MULTI-CONTROL to select SUB W1.

3 Press MULTI-CONTROL to turn subwoofer output on.
NORMAL appears in the display. Subwoofer output is now on.
- To turn subwoofer output off, press **MULTI-CONTROL** again.

4 Push MULTI-CONTROL left or right to select the phase of subwoofer output.
Push **MULTI-CONTROL** left to select reverse phase and **REV** appears in the display. Push **MULTI-CONTROL** right to select normal phase and **NORMAL** appears in the display.

Adjusting subwoofer settings

When the subwoofer output is on, you can adjust the cut-off frequency and the output level of the subwoofer.
- When the subwoofer output is on, you can select **SUB W2**.

1 Display the audio menu.
Refer to *Introduction of audio adjustments* on page 36.

2 Use MULTI-CONTROL to select SUB W2.

3 Push MULTI-CONTROL left or right to select cut-off frequency.
Each time **MULTI-CONTROL** is pushed left or right, cut-off frequencies are selected in the following order:
50—**63**—**80**—**100**—**125**

4 Push MULTI-CONTROL up or down to adjust the output level of the subwoofer.
Each time **MULTI-CONTROL** is pushed up or down, subwoofer level increases or decreases. **+6** to **–24** is displayed as the level is increased or decreased.

Using the high pass filter

When you do not want low sounds from the subwoofer output frequency range to play from the front or rear speakers, turn on the HPF (high pass filter). Only frequencies higher than those in the selected range are output from the front or rear speakers.

1 Display the audio menu.
Refer to *Introduction of audio adjustments* on page 36.

2 Use MULTI-CONTROL to select HPF.

3 Press MULTI-CONTROL to turn high pass filter on.
80HZ appears in the display. High pass filter is now on.
- If the high pass filter has been previously adjusted, the frequency of that previously selected will be displayed instead of **80HZ**.
- To turn high pass filter off, press **MULTI-CONTROL** again.

4 Push MULTI-CONTROL left or right to select cut-off frequency.
Each time **MULTI-CONTROL** is pushed left or right, cut-off frequencies are selected in the following order:
50HZ—**63HZ**—**80HZ**—**100HZ**—**125HZ**

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Boosting the bass

Bass boost function boosts the bass level of sound.

1 Display the audio menu.
Refer to *Introduction of audio adjustments* on page 36.

2 Use MULTI-CONTROL to select BASS BOOST.

3 Push MULTI-CONTROL up or down to select a desired level.
0 to **+6** is displayed as the level is increased or decreased.

Adjusting source levels

Source level adjustment (**SLA**) lets you adjust the volume level of each source to prevent radical changes in volume when switching between sources.

- Settings are based on the FM volume level, which remains unchanged.

1 Compare the FM volume level with the level of the source you wish to adjust.

2 Display the audio menu.
Refer to *Introduction of audio adjustments* on page 36.

3 Use MULTI-CONTROL to select SLA.

4 Push MULTI-CONTROL up or down to adjust the source volume.
Each time **MULTI-CONTROL** is pushed up or down, source volume increases or decreases. **+4** to **–4** is displayed as the source volume is increased or decreased.

Note

The MW/LW volume level can also be adjusted with source level adjustments.

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Adjusting initial settings

1 Press SRC and hold until the unit turns off.

2 Press MULTI-CONTROL and hold until the initial setting menu appears in the display.

3 Turn MULTI-CONTROL to select one of the initial settings.
CLNDR (calendar)—**CLOCK** (clock)—**OFF CLOCK** (off clock)—**FM STEP** (FM tuning step)—**AUTO PI** (auto PI seek)—**WARNING** (warning tone)—**AUX** (auxiliary input)—**REAR SP** (rear output and subwoofer controller)—**EVERSCROLL** (ever scroll)—**TITLE** (language selection)—**BT AUDIO** (Bluetooth audio)—**BT MIC** (microphone setting)—**PIN CODE INPUT** (pin code input)—**EDIT DEVICE NAME** (device name edit)—**BT INFO** (Bluetooth version information)—**BT RESET** (Bluetooth reset)—**SOFTWARE UPDATE** (software update)

- You can also perform the same operations by pushing **MULTI-CONTROL** up or down.
- To cancel initial settings, press **BAND/ESC**.

Setting the date

The calender display adjusted in this mode appears when the telephone source is selected or sources and the feature demo are off.

1 Display the initial setting menu.
Refer to *Adjusting initial settings* on this page.

2 Use MULTI-CONTROL to select CLNDR.
CLNDR appears in the display.

3 Push MULTI-CONTROL left or right to select the segment of the calendar display you wish to set.
Day—Month—Year
As you select segments of the calendar display the segment selected will blink.

4 Push MULTI-CONTROL up or down to set the date.
Pushing **MULTI-CONTROL** up will increase the selected day, month or year. Pushing **MULTI-CONTROL** down will decrease the selected day, month or year.

Setting the clock

Use these instructions to set the clock.

1 Display the initial setting menu.
Refer to *Adjusting initial settings* on this page.

2 Use MULTI-CONTROL to select CLOCK.

3 Push MULTI-CONTROL left or right to select the segment of the clock display you wish to set.
Hour—Minute
As you select segments of the clock display, the selected segment blinks.

4 Push MULTI-CONTROL up or down to put a clock right.

Note

You can match the clock to a time signal by pressing **MULTI-CONTROL**.

- If **00** to **29**, the minutes are rounded down. (e.g., **10:18** becomes **10:00**.)
- If **30** to **59**, the minutes are rounded up. (e.g., **10:36** becomes **11:00**.)

Turning the off clock display on or off

If the off clock display is turned on and the sources and the feature demo are off, the clock display appears on the display.

1 Display the initial setting menu.
Refer to *Adjusting initial settings* on this page.

2 Use MULTI-CONTROL to select OFF CLOCK.

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3 Press MULTI-CONTROL to turn the off clock display on.

- To turn the off clock display off, press **MULTI-CONTROL** again.

Setting the FM tuning step

Normally the FM tuning step employed by seek tuning is 50 kHz. When AF or TA is on, the tuning step automatically changes to 100 kHz. It may be preferable to set the tuning step to 50 kHz when AF is on.

1 Display the initial setting menu.
Refer to *Adjusting initial settings* on the previous page.

2 Use MULTI-CONTROL to select FM STEP.

3 Press MULTI-CONTROL to select the FM tuning step.
Pressing **MULTI-CONTROL** repeatedly will switch the FM tuning step between 50 kHz and 100 kHz. The selected FM tuning step will appear in the display.

Note

The tuning step remains at 50 kHz during manual tuning.

Switching Auto PI Seek

The unit can automatically search for a different station with the same programming, even during preset recall.

1 Display the initial setting menu.
Refer to *Adjusting initial settings* on the previous page.

2 Use MULTI-CONTROL to select AUTO PI.

3 Press MULTI-CONTROL to turn Auto PI seek on.

- To turn Auto PI seek off, press **MULTI-CONTROL** again.

Switching the warning tone

If the front panel is not detached from the head unit within four seconds of turning off the ignition, a warning tone sounds. You can turn off the warning tone.

1 Display the initial setting menu.
Refer to *Adjusting initial settings* on the previous page.

2 Use MULTI-CONTROL to select WARNING.

3 Press MULTI-CONTROL to turn warning tone on.

- To turn warning tone off, press **MULTI-CONTROL** again.

Switching the auxiliary setting

Auxiliary devices connected to this unit can be activated individually. Set each AUX source to ON when using. For more information about connecting or using auxiliary devices, refer to *Using the AUX source* on page 45.

1 Display the initial setting menu.
Refer to *Adjusting initial settings* on the previous page.

2 Use MULTI-CONTROL to select AUX.

3 Press MULTI-CONTROL to turn AUX on.

- To turn AUX off, press **MULTI-CONTROL** again.

Setting the rear output and subwoofer controller

This unit's rear output (rear speaker leads output and RCA rear output) can be used for full-range speaker (**FULL**) or subwoofer (**SUB W**) connection. If you switch the rear output setting to **SUB W**, you can connect a rear speaker lead directly to a subwoofer without using an auxiliary amp.

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Initially, the unit is set for rear full-range speaker connection (**FULL**). When rear output is connected to full range speakers (when **FULL** is selected), you can connect other full range speakers (**PREOUT:REAR**) or a subwoofer (**PREOUT:SUB W**) to the RCA rear output.

1 Display the initial setting menu.
Refer to *Adjusting initial settings* on page 40.

2 Use MULTI-CONTROL to select REAR SP.

3 Press MULTI-CONTROL to switch the rear output setting.
Pressing **MULTI-CONTROL** will switch between **FULL** (full-range speaker) and **SUB W** (subwoofer) and that status will be displayed.
- When no subwoofer is connected to the rear output, select **FULL** (full-range speaker).
- When a subwoofer is connected to the rear output, select **SUB W** (subwoofer).
- When the rear output setting is **SUB W**, you cannot operate the following procedure.

4 Push MULTI-CONTROL left or right to switch the subwoofer output or rear output.
Pressing ◄ or ► will switch between **PREOUT:SUB W** and **PREOUT:REAR** and that status will be displayed.

Notes
- Even if you change this setting, there is no output unless you turn the subwoofer output on (refer to *Using subwoofer output* on page 38).
- If you change this setting, subwoofer output in the audio menu return to the factory settings.
- Both rear speaker lead outputs and RCA rear output are switched simultaneously in this setting.

Switching the ever scroll

When ever scroll is set to on, CD text information scrolls continuously in the display. Set to off if you prefer the information to scroll just once.

1 Display the initial setting menu.
Refer to *Adjusting initial settings* on page 40.

2 Use MULTI-CONTROL to select EVERSCROLL.

3 Press MULTI-CONTROL to turn the ever scroll on.
- To turn the Ever Scroll off, press **MULTI-CONTROL** again.

Multi language display setting

Text information such as title name, artist name or comment can be recorded on a compressed audio disc.
This unit can display them even if they are embedded in a European language or Russian.
- If the embedded language and the selected language setting are not the same, text information may not be displayed properly.
- Some characters may not be displayed properly.

1 Display the initial setting menu.
Refer to *Adjusting initial settings* on page 40.

2 Use MULTI-CONTROL to select TITLE.

3 Press MULTI-CONTROL to select the desired setting.
Pressing **MULTI-CONTROL** will switch between **EURO** (European language) and **RUSSIA** (Russian language) and that status will be displayed.

Activating the BT AUDIO source

You need to activate the **BT AUDIO** source in order to use a Bluetooth audio player.

1 Display the initial setting menu.
Refer to *Adjusting initial settings* on page 40.

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2 Use MULTI-CONTROL to select BT AUDIO.

3 Press MULTI-CONTROL to turn the BT AUDIO source on.

- To turn the **BT AUDIO** source off, press **MULTI-CONTROL** again.

Microphone setting

While using hands-free phoning, you can use either built-in microphone or optional microphone.

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 40.

2 Use MULTI-CONTROL to select BT MIC.

3 Press MULTI-CONTROL to select the desired setting.

- **BT MIC:INT** – when using the built-in microphone
- **BT MIC:EXT** – when using the optional microphone

Entering PIN code for Bluetooth wireless connection

To connect your cellular phone to this unit via Bluetooth wireless technology, you need to enter PIN code on your phone to verify the connection. The default code is **0000**, but you can change this in this function.

- With some Bluetooth audio players, you may be required to enter the Bluetooth audio player PIN code in advance to set this unit for a connection.

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 40.

2 Use MULTI-CONTROL to select PIN CODE INPUT.

3 Push MULTI-CONTROL up or down to select a number.

4 Push MULTI-CONTROL left or right to move the cursor to the previous or next position.

5 After inputting PIN code (up to 16 digits), press MULTI-CONTROL.

PIN code can be stored in memory.
When you press **MULTI-CONTROL** again on the same display, the PIN code you entered is stored in this unit.

- Pushing **MULTI-CONTROL** right in the confirmation display returns you to the PIN code input display, and you can change the PIN code.

Editing device name

You can edit the device name.
The device name is set to **PIONEER FLAP BT** as default.

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 40.

2 Use MULTI-CONTROL to select EDIT DEVICE NAME.

3 Press DISP to select the desired character type.

Press **DISP** repeatedly to switch between the following character types:
Alphabet—Numbers

4 Push MULTI-CONTROL up or down to select a letter of the alphabet.

5 Push MULTI-CONTROL left or right to move the cursor to the previous or next character position.

6 Move the cursor to the last position by pushing MULTI-CONTROL right after entering the device name.

Push **MULTI-CONTROL** right again to store the device name in memory temporarily.

- Pressing **MULTI-CONTROL** can also store the device name in memory temporarily. In this method, cursor doesn't need to be the last position.

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- If an invalid character has been entered, subsequent characters are not displayed.
- If an invalid character has been entered in the beginning, device name cannot be stored in memory.

Displaying system version for repair

Should this unit fails to operate properly and you consult your dealer for repair, you may be asked to indicate the system versions of this unit and of Bluetooth module. You can display the versions and confirm them.

1 Display the initial setting menu.
Refer to *Adjusting initial settings* on page 40.

2 Use MULTI-CONTROL to select BT INFO.
The system (microprocessor) version of this unit is displayed.

3 Push MULTI-CONTROL left to switch to the version of the Bluetooth module of this unit.
- Pushing **MULTI-CONTROL** right returns to the system version of this unit.

Resetting the Bluetooth wireless technology module

Bluetooth telephone and Bluetooth Audio data can be deleted. To protect personal information, we recommend deleting this data before transferring the unit to other persons. The following settings will be deleted.
— phone book entries on the Bluetooth telephone
— preset numbers on the Bluetooth telephone
— registration assignment of Bluetooth telephone
— call history of Bluetooth telephone
— history of the most recently connected Bluetooth audio

1 Display the initial setting menu.
Refer to *Adjusting initial settings* on page 40.

2 Use MULTI-CONTROL to select BT RESET.

3 Push MULTI-CONTROL right to show a confirmation display.
BT RESET:YES is displayed. Clearing memory is now on standby.
- If you do not want to reset phone memory, press **BAND/ESC**.

4 Press MULTI-CONTROL to clear the memory.

Updating the software about Bluetooth connection

This function is used to update this unit with the latest software. For about software and updating, refer to our website.

1 Display the initial setting menu.
Refer to *Adjusting initial settings* on page 40.

2 Use MULTI-CONTROL to select SOFTWARE UPDATE.

3 Push MULTI-CONTROL up or down to select a appropriate group.

4 Press MULTI-CONTROL to display the data transfer mode.
- To finish the updating, follow the on-screen instructions.

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Using the AUX source

You can connect an auxiliary device to this unit using a stereo mini plug cable.

- **Insert the stereo mini plug into the input jack on this unit.**

For more details, refer to the installation manual.

Selecting AUX as the source

- **Press SRC to select AUX as the source.**

▪ If the auxiliary setting is not turned on, **AUX** cannot be selected. For more details, see *Switching the auxiliary setting* on page 41.

Setting the AUX title

The title displayed for the **AUX** source can be changed.

1 After you have selected AUX as the source, use MULTI-CONTROL and select FUNCTION to display TITLE INPUT.

2 Enter a title in the same way as the built-in CD player.

For details concerning operation, refer to *Entering disc titles* on page 19.

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Troubleshooting

Bluetooth audio/telephone

Symptom	Cause	Action
The audio of the Bluetooth audio source is not played back.	A Bluetooth-connected cellular phone is currently in a phone call.	The audio will be played back when the call is completed.
	A Bluetooth-connected cellular phone is currently in operation.	Do not operate the cellular phone at this time.
	A call was made with a Bluetooth-connected cellular phone and then immediately terminated. As a result, communication between this unit and the cellular phone was not terminated properly.	Reconnect the Bluetooth connection between this unit and the cellular phone.

Error messages

When you contact your dealer or your nearest Pioneer Service Center, be sure to have the error message recorded.

Built-in CD Player

Message	Cause	Action
ERROR-11, 12, 17, 30	Dirty disc	Clean disc.
ERROR-11, 12, 17, 30	Scratched disc	Replace disc.
ERROR-10, 11, 12, 15, 17, 30, A0	Electrical or mechanical	Turn the ignition switch OFF and back ON, or switch to a different source, then back to the CD player.
ERROR-15	The inserted disc does not contain any data	Replace disc.
ERROR-22, 23	The CD format cannot be played back	Replace disc.
NO AUDIO	The inserted disc does not contain any files that can be played back	Replace disc.
TRK SKIPPED	The inserted disc contains WMA files that are protected by DRM	Replace disc.
PROTECT	All the files on the inserted disc are secured by DRM	Replace disc.

Bluetooth audio/telephone

Message	Cause	Action
ERROR-10	Built-in Bluetooth unit encountered an error	Turn the ignition OFF and ON.
ERROR-80	Built-in FLASH ROM encountered an error	Turn the ignition OFF and ON.

Handling guideline of discs and player

- Use only discs featuring either of following two logos.

- Use only conventional, fully circular discs. Do not use shaped discs.

- Use 12-cm or 8-cm CD. Do not use an adapter when playing 8-cm CDs.

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- Do not insert anything other than a CD into the CD loading slot.
- Do not use cracked, chipped, warped, or otherwise damaged discs as they may damage the player.
- Unfinalized CD-R/CD-RW disc playback is not possible.
- Do not touch the recorded surface of the discs.
- Store discs in their cases when not in use.
- Avoid leaving discs in excessively hot environments including under direct sunlight.
- Do not attach labels, write on or apply chemicals to the surface of the discs.
- To clean a CD, wipe the disc with a soft cloth outward from the center.
- Condensation may temporarily impair the player's performance. Leave it to adjust to the warmer temperature for about one hour. Also, wipe any dump discs with a soft cloth.
- Playback of discs may not be possible because of disc characteristics, disc format, recorded application, playback environment, storage conditions, and so on.
- Text information may not be correctly displayed depending on the recorded environment.
- Road shocks may interrupt disc playback.
- Read the precautions for discs before using them.

Dual Discs

- Dual Discs are two-sided discs that have a recordable CD for audio on one side and a recordable DVD for video on the other.
- Since the CD side of Dual Discs is not physically compatible with the general CD standard, it may not be possible to play the CD side with this unit.
- Frequent loading and ejecting of a Dual Disc may result in scratches on the disc. Serious scratches can lead to playback problems on this unit. In some cases, a Dual Disc may become stuck in the disc loading slot and will not eject. To prevent this, we recommend you refrain from using Dual Disc with this unit.
- Please refer to the information from the disc manufacturer for more detailed information about Dual Discs.

Compressed audio compatibility

WMA

- Compatible format: WMA encoded by Windows Media Player
- Bit rate: 48 kbps to 320 kbps (CBR), 48 kbps to 384 kbps (VBR)
- Sampling frequency: 32 kHz to 48 kHz
- Windows Media Audio 9 Professional, Lossless, Voice: No

MP3

- Bit rate: 8 kbps to 320 kbps
- Sampling frequency: 16 kHz to 48 kHz (32, 44.1, 48 kHz for emphasis)
- Compatible ID3 tag version: 1.0, 1.1, 2.2, 2.3, 2.4 (ID3 tag Version 2.x is given priority than Version 1.x.)
- M3u playlist: No
- MP3i (MP3 interactive), mp3 PRO: No

WAV

- Compatible format: Linear PCM (LPCM), MS ADPCM
- Quantization bits: 8 and 16 (LPCM), 4 (MS ADPCM)
- Sampling frequency: 16 kHz to 48 kHz (LPCM), 22.05 kHz to 44.1 kHz (MS ADPCM)

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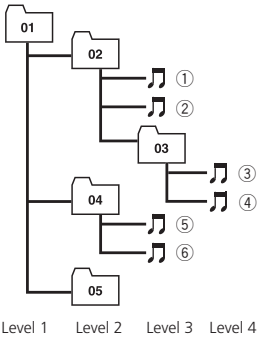
Compressed audio files on the disc

- Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed.
- There may be a slight delay when starting playback of WMA files encoded with image data.
- ISO 9660 Level 1 and 2 compliant. Romeo and Joliet file systems are both compatible with this player.
- Multi-session playback is possible.
- Compressed audio files are not compatible with packet write data transfer.
- Only 64 characters from the beginning can be displayed as a file name (including the extension such as .wma, .mp3 or .wav) or a folder name.
- Folder selection sequence or other operation may be altered depending on the encoding or writing software.
- Regardless of the length of blank section between the songs of original recording, compressed audio discs play with a short pause between songs.
- File extensions such as .wma, .mp3 or .wav must be used properly.
- Russian text to be displayed on this unit should be encoded with the following character sets:
  - Unicode (UTF-8, UTF-16)
  - Character sets other than Unicode that are used in Windows environment and are set to Russian in the multi-language setting
- Only 32 characters from the beginning can be displayed as a file name (including the extension such as .wma, .mp3 or .wav) or a folder name when using Russian text.

Example of a hierarchy

: Folder
: Compressed audio file



- This unit assigns folder numbers. The user cannot assign folder numbers.
- Folder hierarchy is allowed up to eight tiers. However, a practical hierarchy of folder is less than two tiers.
- Up to 99 folders on a disc can be played back.

Bluetooth profiles

- In order to use Bluetooth wireless technology, devices must be able to interpret certain profiles. This unit is compatible with the following profiles.
  - A2DP (Advanced Audio Distribution Profile)
  - AVRCP (Audio/Video Remote Control Profile)
  - GAP (Generic Access Profile)
  - SDP (Service Discovery Protocol)
  - OPP (Object Push Profile)
  - HFP (Hands Free Profile)
  - PBAP (Phone Book Access Profile)
  - SPP (Serial Port Profile)

Russian character chart

D: Display
C: Character

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D	C	D	C	D	C	D	C
	А		Б		В		Г
	Д		Е, Ё		Ж		З
	И, Й		К		Л		М
	Н		О		П		Р
	С		Т		У		Ф
	Х		Ц		Ч		Ш, Щ
	Ъ		Ы		Ь		Э
	Ю		Я				

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Specifications

General

Power source ..... 14.4 V DC (12.0 V to 14.4 V allowable)
Grounding system ..... Negative type
Max. current consumption ..... 10.0 A
Dimensions (W × H × D):
- DIN
  - Chassis ..... 178 mm × 50 mm × 162 mm
  - Nose ..... 188 mm × 58 mm × 15 mm
- D
  - Chassis ..... 178 mm × 50 mm × 162 mm
  - Nose ..... 170 mm × 46 mm × 15 mm

Weight ..... 1.3 kg

Audio

Maximum power output ..... 50 W × 4
50 W × 2/4 Ω + 70 W × 1/2 Ω (for subwoofer)
Continuous power output ... 22 W × 4 (50 Hz to 15 000 Hz, 5% THD, 4 Ω load, both channels driven)
Load impedance ..... 4 Ω to 8 Ω × 4
4 Ω to 8 Ω × 2 + 2 Ω × 1
Preout max output level ..... 2.2 V
Equalizer (3-Band Parametric Equalizer):
- Low
  - Frequency ..... 40/80/100/160 Hz
  - Q Factor ..... 0.35/0.59/0.95/1.15 (+6 dB when boosted)
  - Gain ..... ±12 dB
- Mid
  - Frequency ..... 200/500/1k/2k Hz
  - Q Factor ..... 0.35/0.59/0.95/1.15 (+6 dB when boosted)
  - Gain ..... ±12 dB
- High
  - Frequency ..... 3.15k/8k/10k/12.5k Hz
  - Q Factor ..... 0.35/0.59/0.95/1.15 (+6 dB when boosted)
  - Gain ..... ±12 dB

HPF:
- Frequency ..... 50/63/80/100/125 Hz
- Slope ..... –12 dB/oct

Subwoofer (mono):
- Frequency ..... 50/63/80/100/125 Hz
- Slope ..... –18 dB/oct
- Gain ..... +6 dB to –24 dB
- Phase ..... Normal/Reverse

Bass boost:
- Gain ..... +12 dB to 0 dB

CD player

System ..... Compact disc audio system
Usable discs ..... Compact disc
Signal-to-noise ratio ..... 94 dB (1 kHz) (IEC-A network)
Number of channels ..... 2 (stereo)
MP3 decoding format ..... MPEG-1 & 2 Audio Layer 3
WMA decoding format ..... Ver. 7, 7.1, 8, 9, 10, 11 (2ch audio)
(Windows Media Player)
WAV signal format ..... Linear PCM & MS ADPCM (Non-compressed)

FM tuner

Frequency range ..... 87.5 MHz to 108.0 MHz
Usable sensitivity ..... 8 dBf (0.7 μV/75 Ω, mono, S/N: 30 dB)
Signal-to-noise ratio ..... 75 dB (IEC-A network)

MW tuner

Frequency range ..... 531 kHz to 1 602 kHz (9 kHz)
Usable sensitivity ..... 18 μV (S/N: 20 dB)
Signal-to-noise ratio ..... 65 dB (IEC-A network)

LW tuner

Frequency range ..... 153 kHz to 281 kHz
Usable sensitivity ..... 30 μV (S/N: 20 dB)
Signal-to-noise ratio ..... 65 dB (IEC-A network)

Bluetooth

Version ..... Bluetooth 2.0 certified
Output power ..... +4 dBm Max. (Power class 2)

Note

Specifications and the design are subject to modifications without notice due to improvements. ■

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